

ABSTRACT OF THE DISCLOSURE

A method for agent-based operation of a robotic device. In the method, at least one condition is detected in various locations of a room with a plurality of sensors. In a plurality of agents associated with respective areas of the room, the plurality of agents being configured to control at least one condition in the respective associated areas, sensed data is received from at least one of the plurality of sensors. In addition, it is determined whether the received sensed data are outside of respective predetermined ranges, and information related to the sensed data in response to the sensed data being outside of the predetermined ranges is transmitted to the robotic device. In the robotic device, the information received from one or more of the plurality of agents is processed to determine whether components of a cooling system are to be manipulated to vary a characteristic of cooling fluid supplied to the various locations of the room.